

JARDesign Group

CoPilot plugin for JARDesign A340-500 (X-Plane 12)

(how to Install and Use)



features:

- + animated 3d CoPilot model
- + recognize and execute voice/menu/widget commands
- + speak
- + read checklists
- + operate with Events (based on flight parameters and situation)
- + execute SOP (Normal Procedures)

LICENSE AGREEMENT

By installing this Software product («JARDesign CoPilot» - X-Plane 12 plugin), you agree to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement, please, do not install or use the Product.

You may install the Software onto a single computer for your personal, noncommercial use subject to these conditions:

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5. REFUND POLICY: As you have ability to use DEMO version and check is it work or not BEFORE purchase, NO REFUND may be given.
6. Serial key may be activated with one aircraft installed for only one Computer ID. After first activation your serial key may be used with the same aircraft at the same computer (detected as Computer ID).

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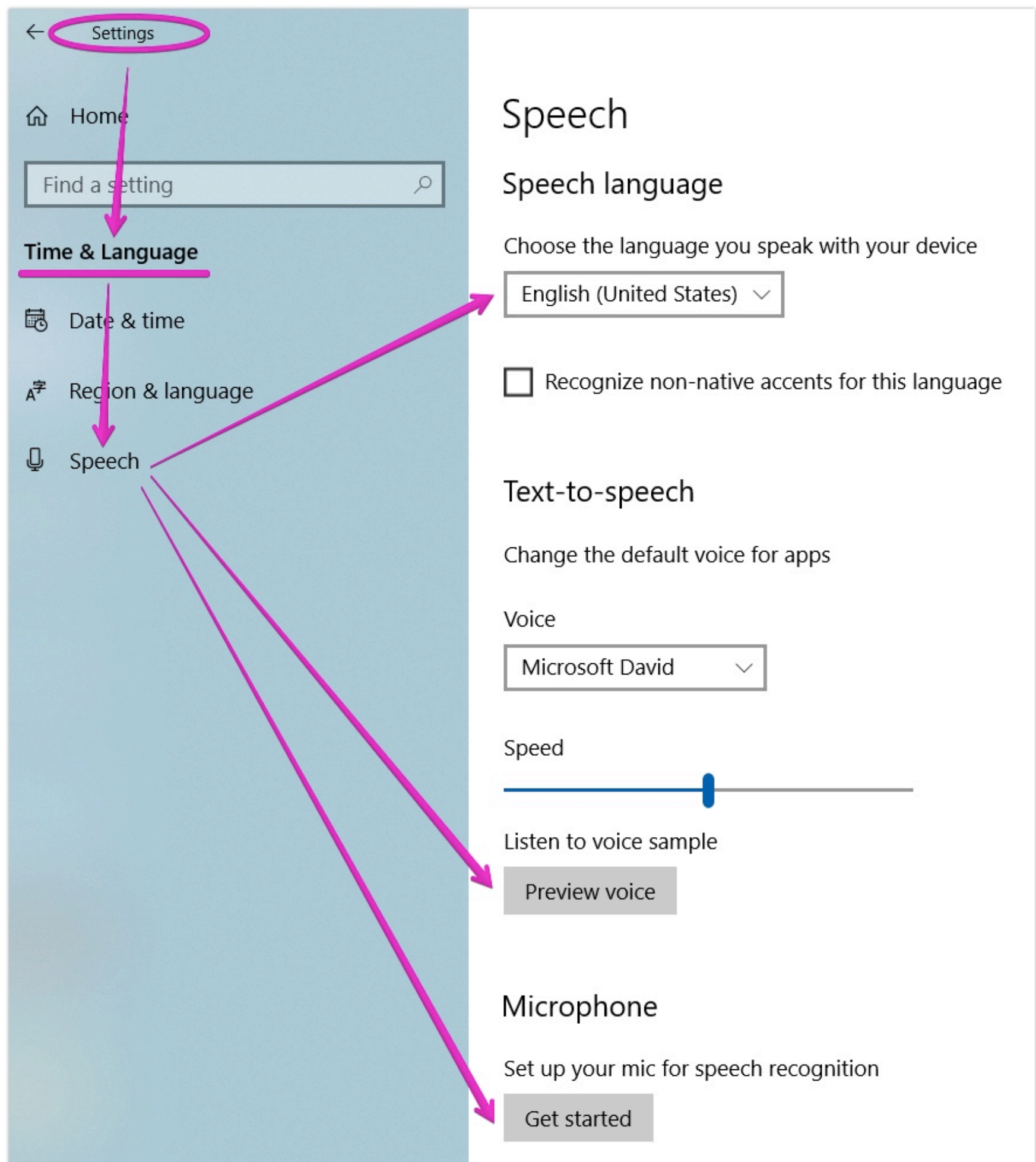
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STEP-BY-STEP

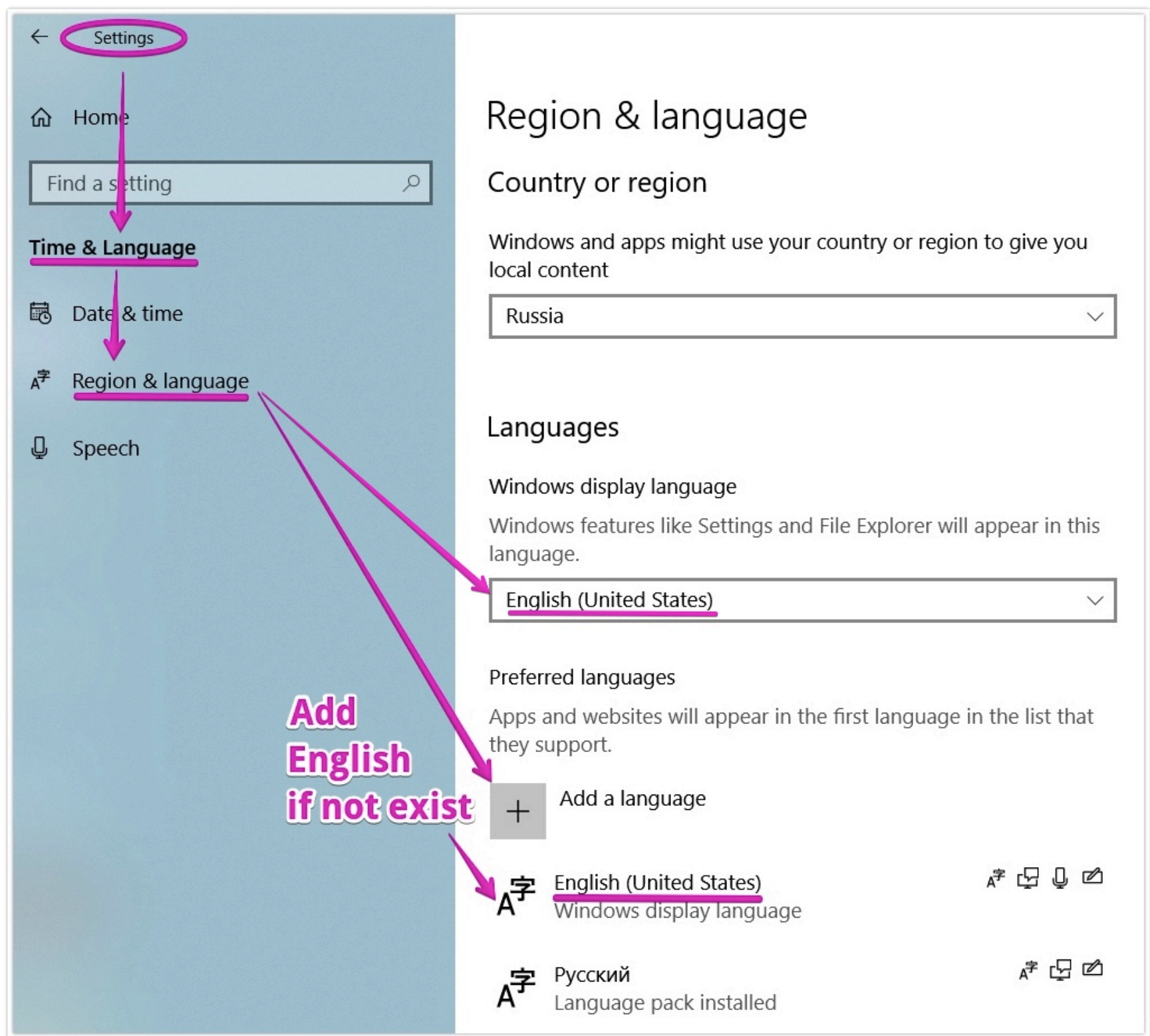
1. Setup speech/recognition engine at your computer (read below)
2. Copy CoPilot plugin files to your compatible aircraft "/plugins/" folder.
3. Load aircraft and setup plugin and hardware.
4. Check what you see copilot in cockpit, it animated, speak and recognize your voice command.
5. Use.

SETUP SPEECH RECOGNITION (WINDOWS 10)

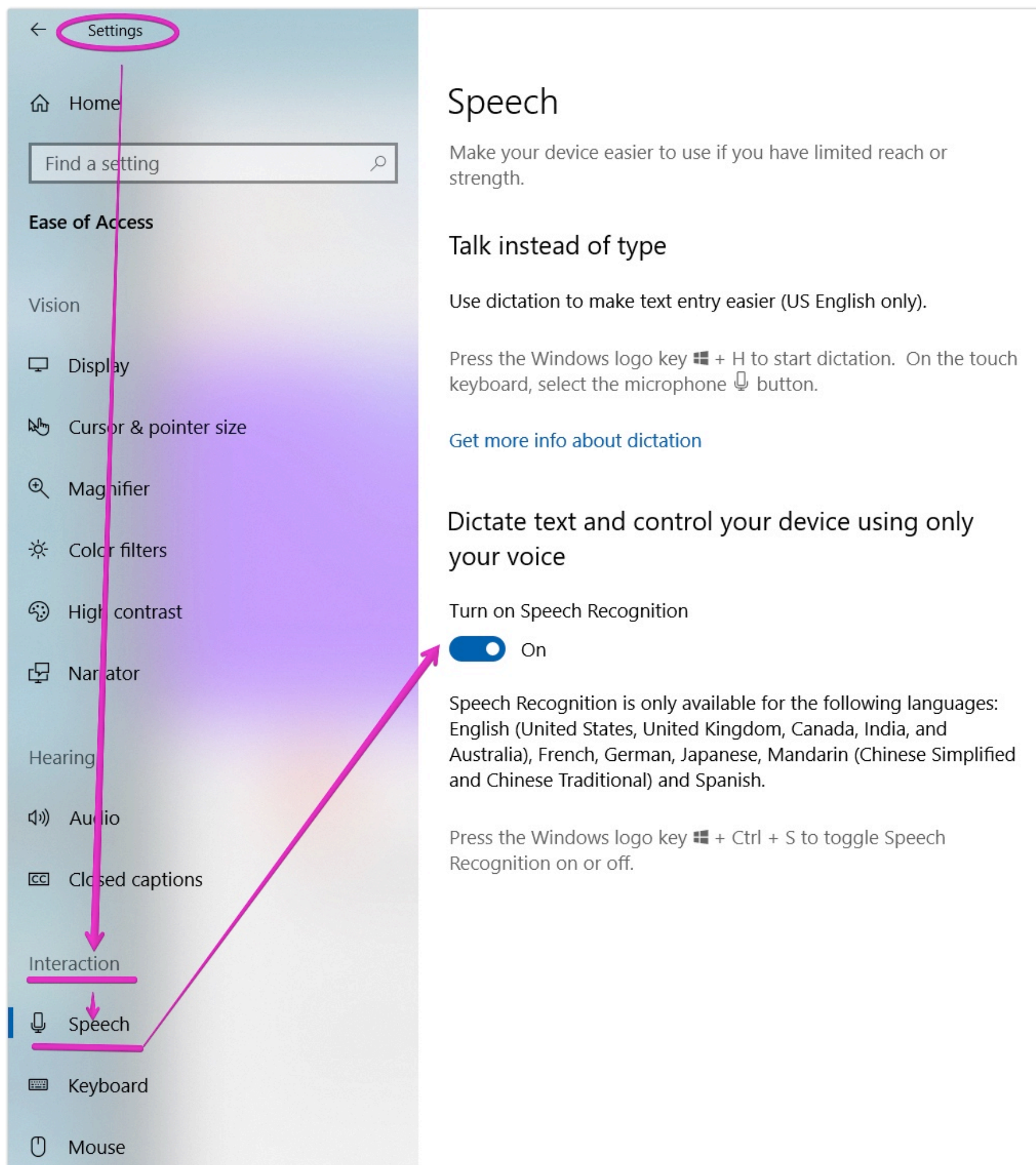
Please be sure what US English language pack is already installed and English selected as Windows display language



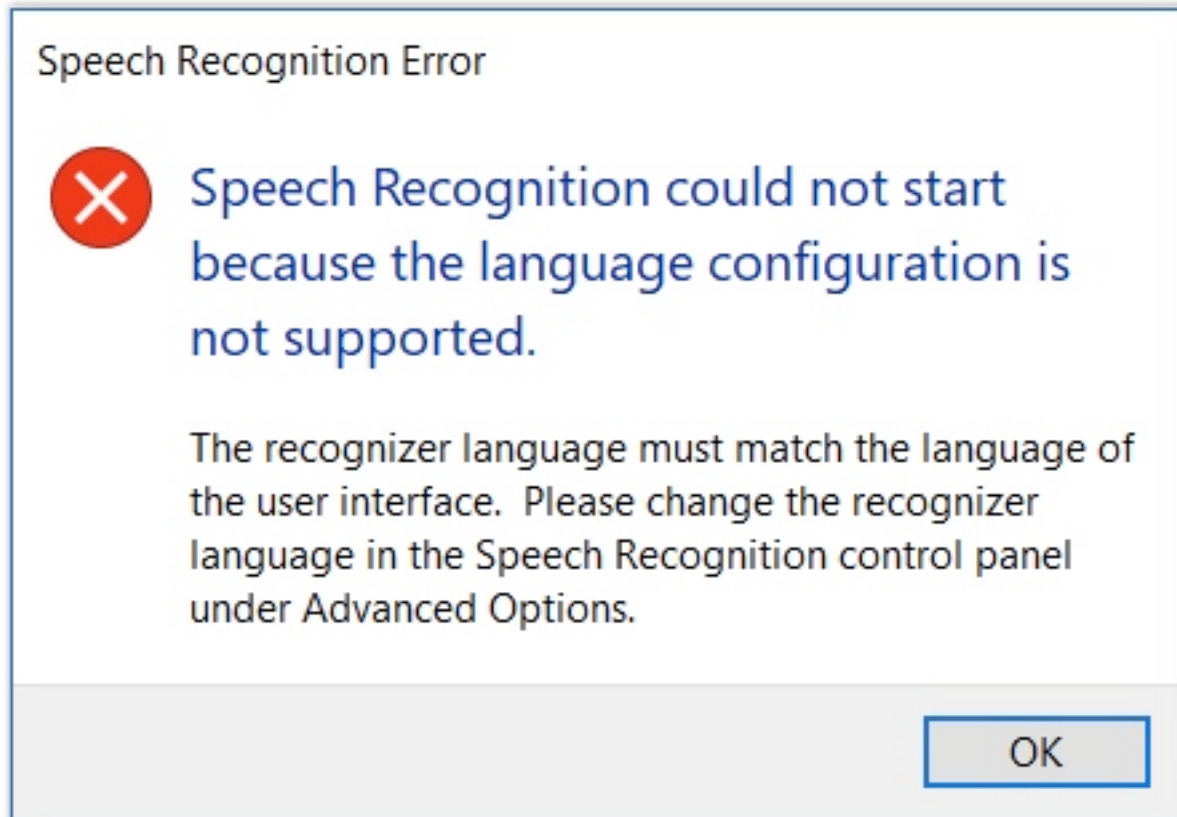
Please select English language for Recognition, run voice preview, setup microphone.



Next turn recognition On (You may skip this step if you have Non-English interface at your Windows)



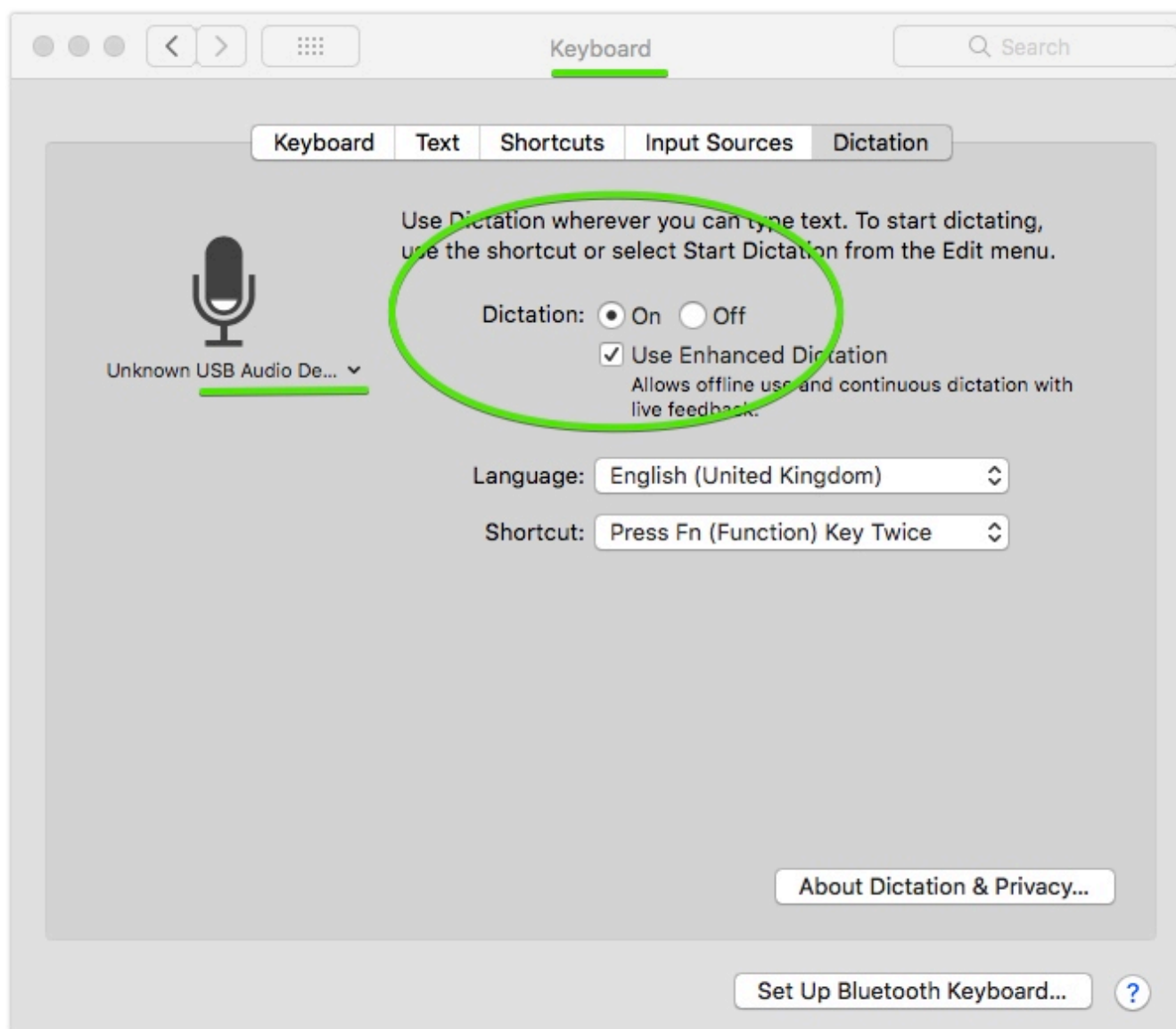
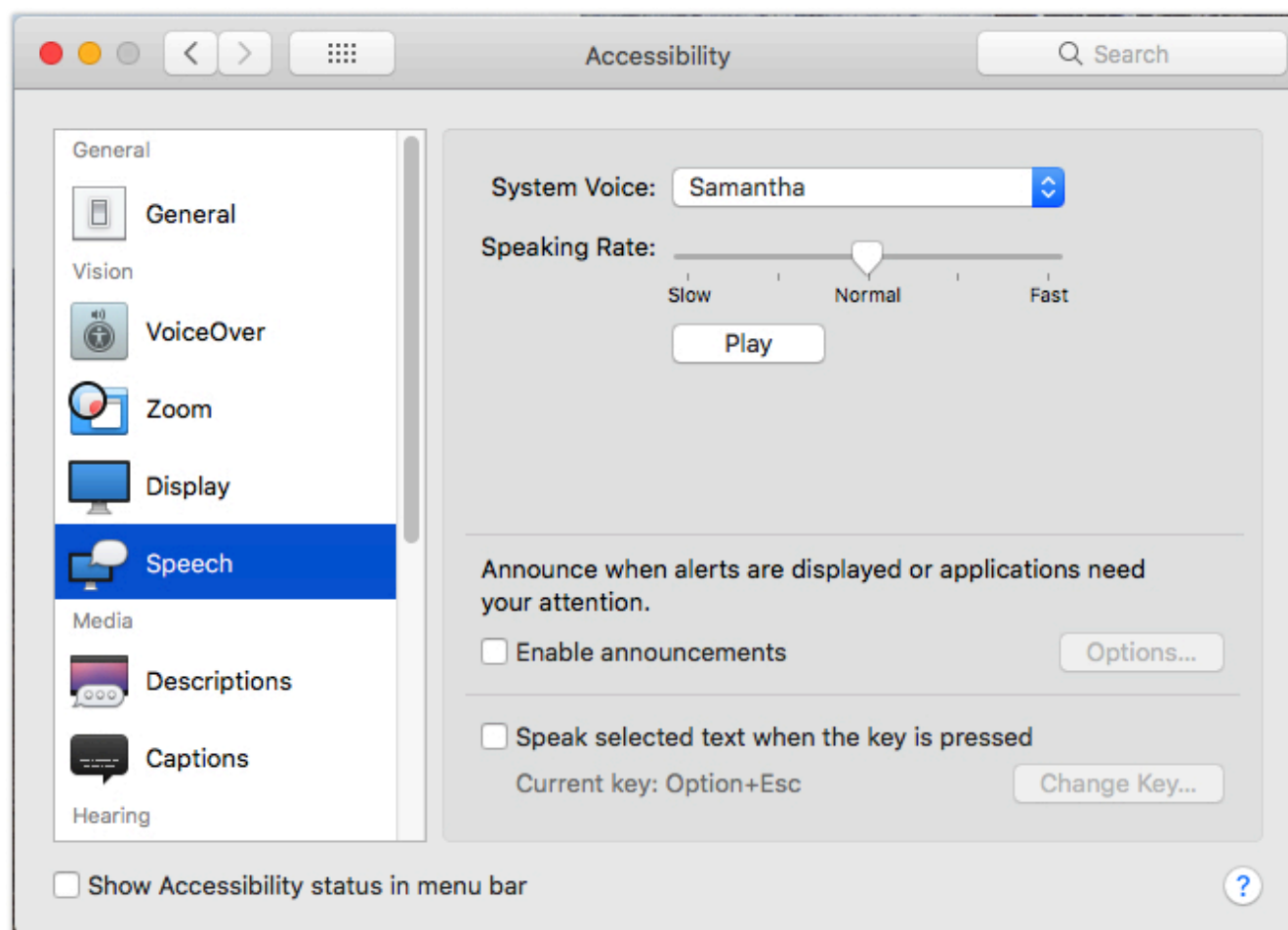
If you will get this error, you need setup English as user interface language (Windows display language) and English as your recognition language (language you speak with your device) and reload computer.



Please use this basic manual if need:

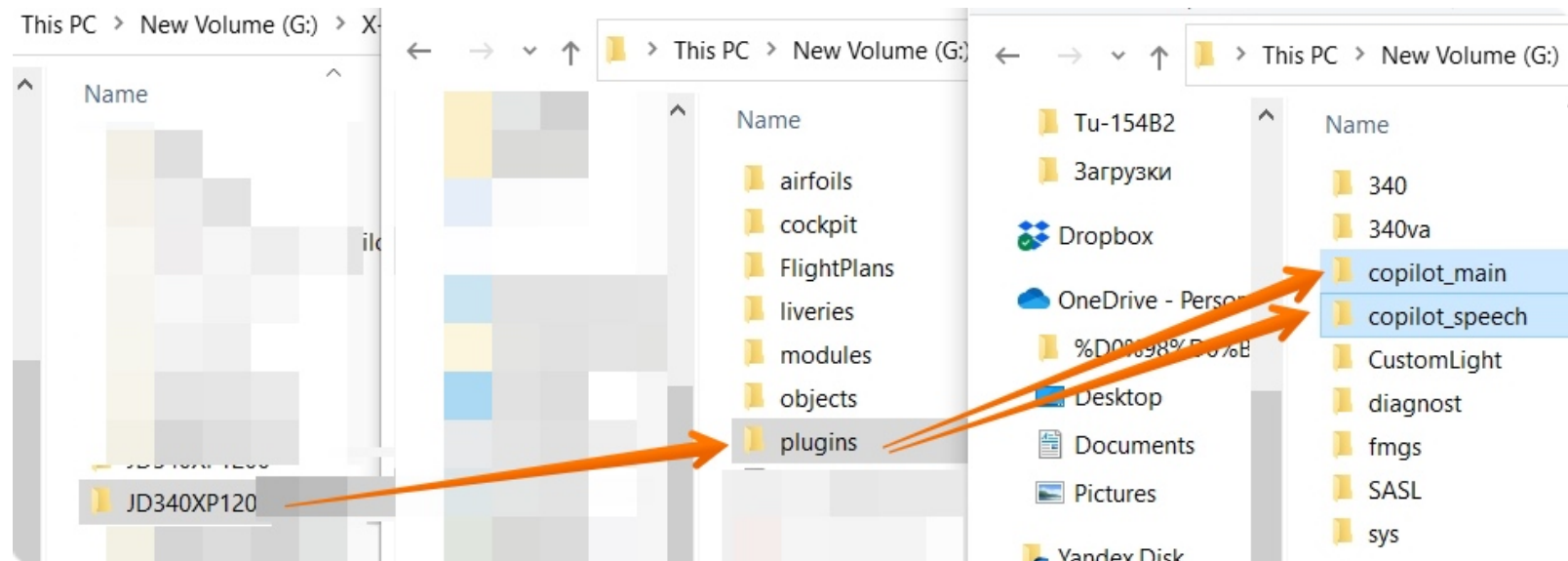
<https://www.windowcentral.com/how-set-speech-recognition-windows-10>

SETUP SPEECH / RECOGNITION (MAC OS)

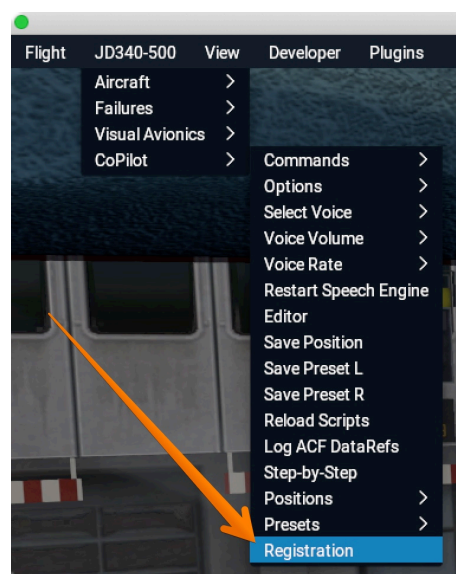


INSTALL PLUGIN

1. Find your JD340-500 aircraft plugins folder inside ../X-Plane_12/Aircraft/JD340_XP12/plugins/ or path like this.
2. UnZip copilot distributive and Put "copilot_main" and "copilot_speech" folders from your ZIP pack to "../JD340_XP12/plugins/" folder



3. Run X-Plane and load A340-500. You will get offer to install Copilot plugin. Do this.
4. You may use copilot on the ground to test it and decide do you need register it with payware serial key.
5. Call X-Plane upper Menu -> JD340-500 -> CoPilot -> Registration to register plugin and make it worked during whole flight.



6. Power up aircraft and use MCDU MENU and select SETTINGS to turn CoPilot ON.



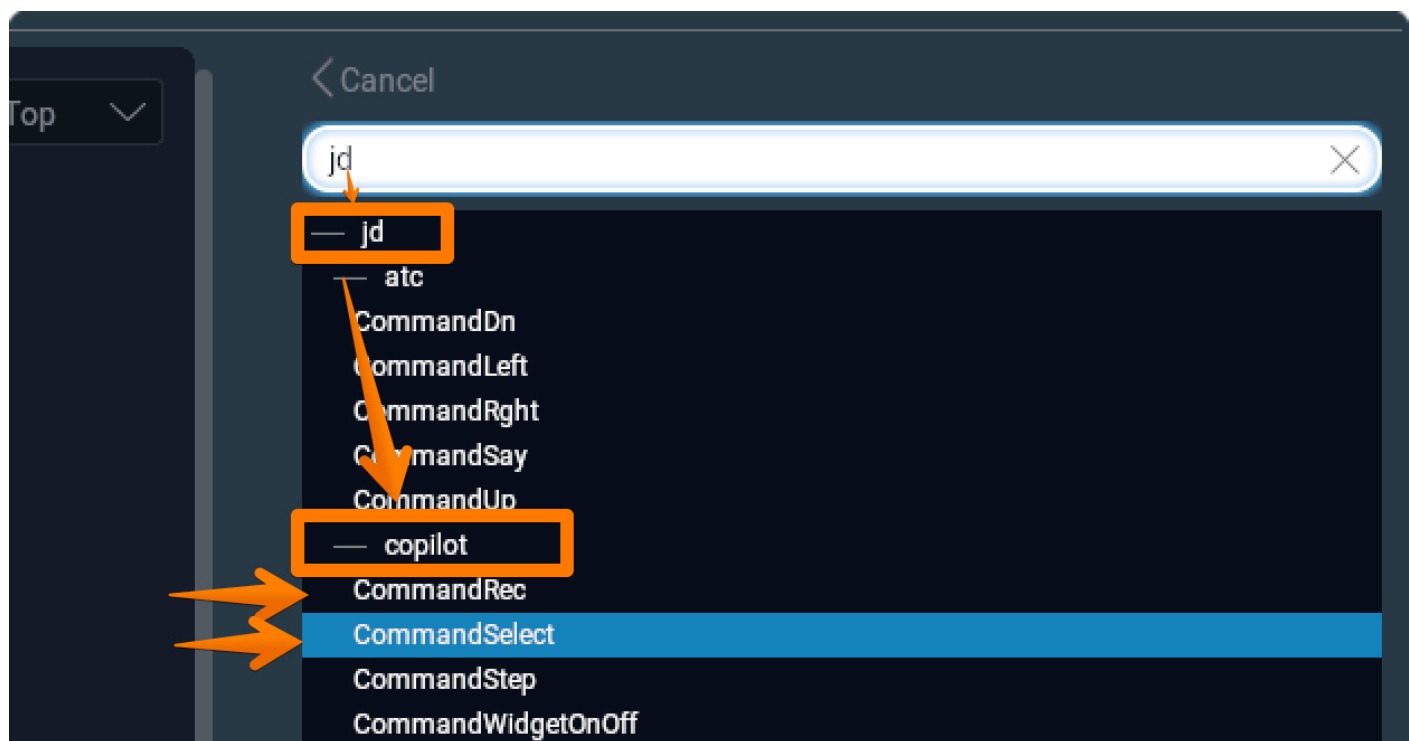
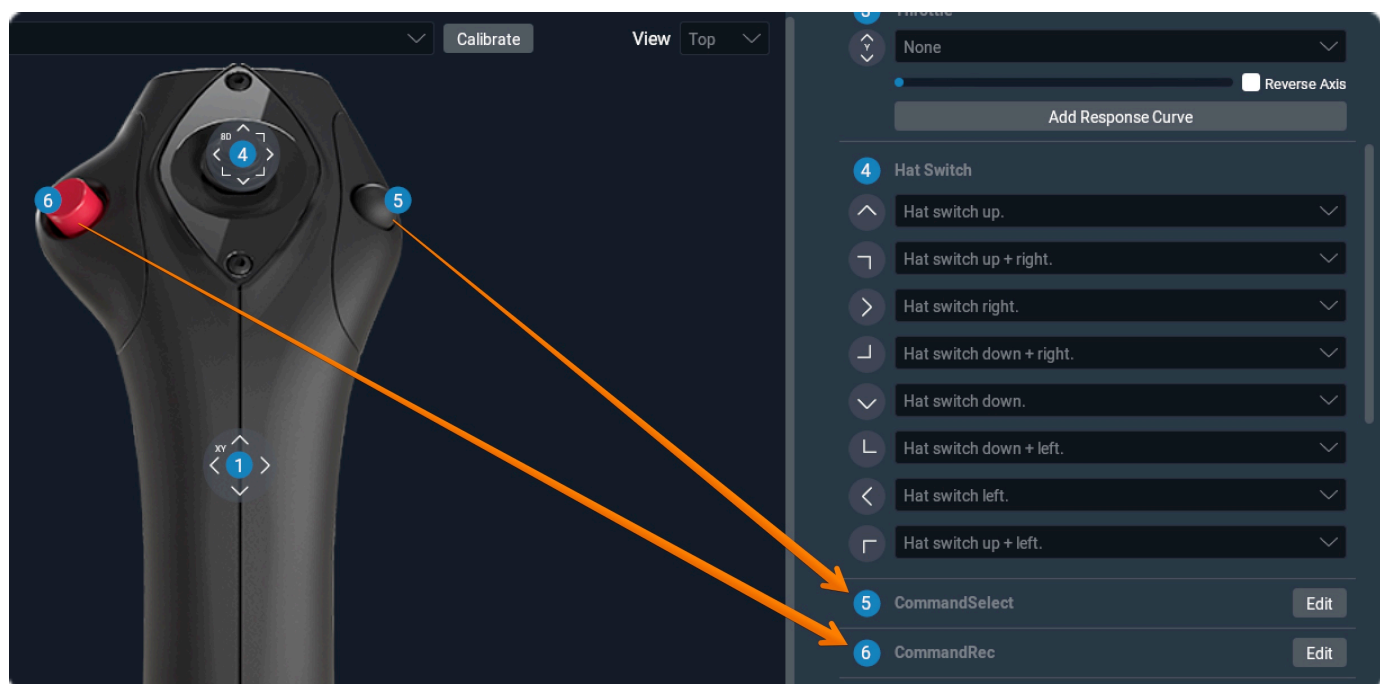
SETUP

For voice input - **You need** to have microphone or headset to use this plugin. Speech recognition should be setup and checked on your OS before copilot plugin installation.

For mouse/button click input - **You need** setup your Windows/MACOS speech settings only and skip voice recognition setup.

Open your X-Plane joystick settings and **assign**:

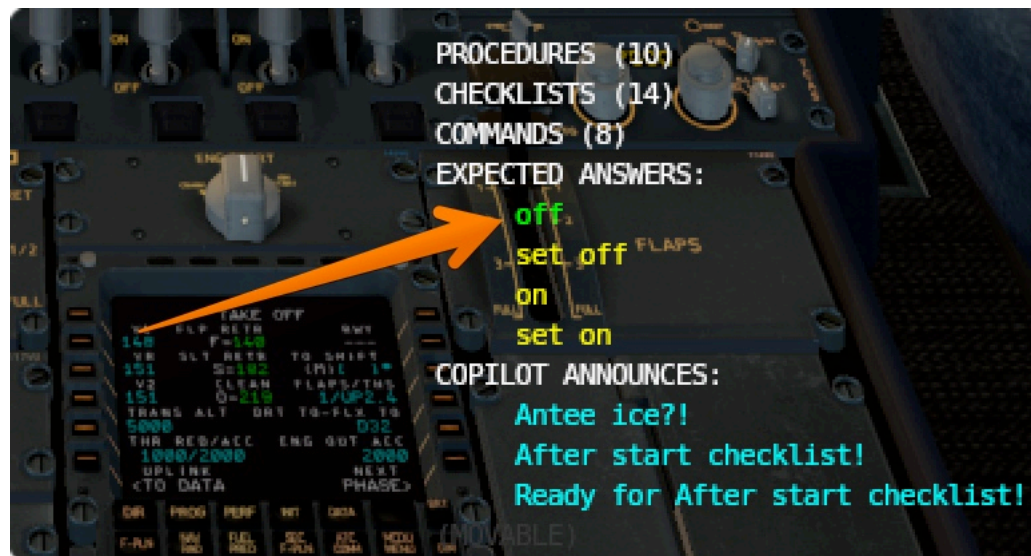
- one joystick button to jd/copilot/**CommandSelect** (for command selection)
- one joystick button to jd/copilot/**CommandRec** (for voice recognition)



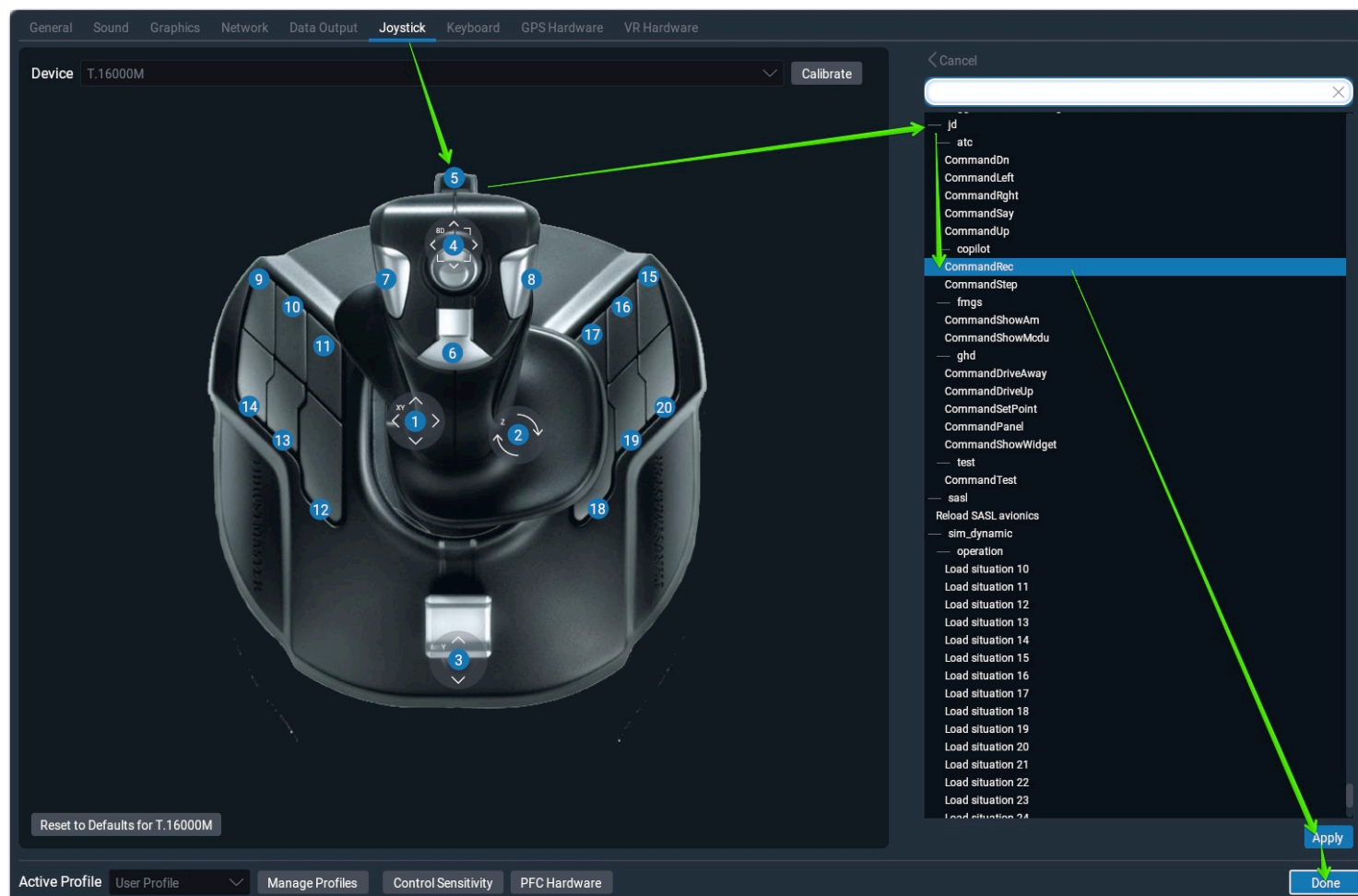
HOW TO USE

You may speak with CoPilot via voice or select commands via Menu or select command via widget. When you run checklist - expected answers (clickable) will be indicated in yellow.

You may click it with mouse or use Select button. Short click on Select button will change selected command. Long tap will confirm selected command.

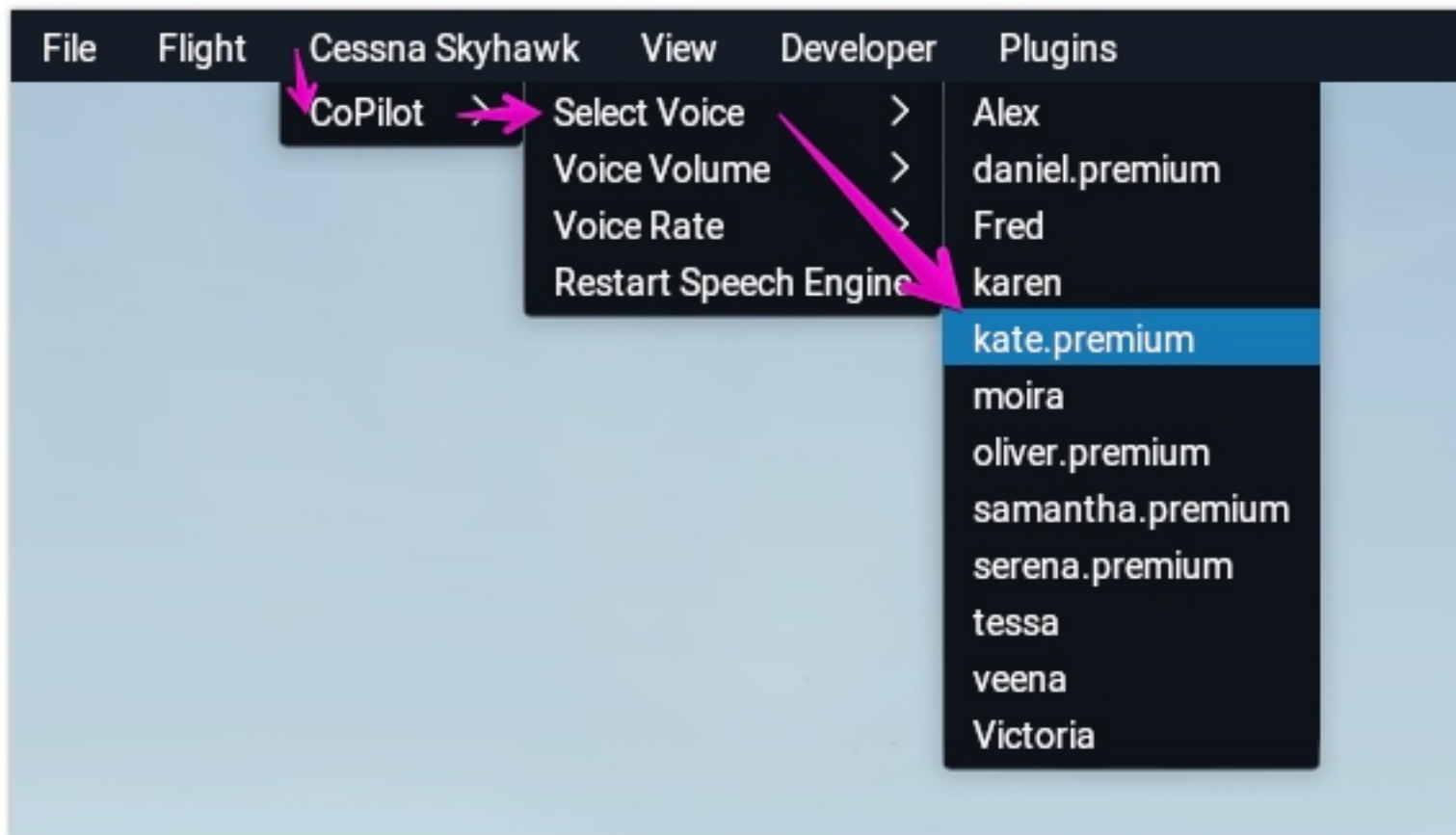


If you prefer voice control, you need setup special joystick (sure, keyboard may be used too) button to jd/CommandRec.



You may look at CoPilot, hold this joystick button and say something like "Hello!" Typical pattern - press the button, say the text, release the button.

You can change speech parameters using Menu, like this:



CoPilot widget have movable area ("MOVABLE" text in grey color) - You may use it to change widget position on the screen.



HOW TO KNOW WHAT COMMANDS MAY BE USED

1. Use Menu -> CoPilot -> Commands to see full list of commands what may be activated by voice, by this menu or by widget menu.



Widget may show you a shortlist of commands for actual flight phase. Sure, any command may be used in any time by menu or by voice input. You may show and hide widget using this command (assign it to your keyboard or joystick):

HOW TO UNINSTALL PLUGIN

1. Run X-Plane and load JD340-500. Select upper aircraft MENU -> CoPilot -> Uninstall CoPilot.
2. Delete "copilot_main" and "copilot_speech" folders from "../JD340_XP12/plugins/" folder

PRODUCT WEBPAGE:

<http://www.jar.design.org>

SUPPORT

<http://www.support.jar.design.org>

BEFORE START		APPROACH	
COCKPIT PREP COMPLETED (BOTH)		BRIEFING CONFIRMED	
GEAR PINS and COVERS REMOVED		ECAM STATUS CHECKED	
SIGNS ON / AUTO		SEAT BELTS ON	
ADIRS NAV		BARO SET (BOTH)	
FUEL QUANTITY KG.LB		MDA/DH SET (BOTH)	
TO DATA SET		ENG START SEL AS RQRD	
BARO REF SET (BOTH)			
WINDOWS/DOORS CLOSED (BOTH)		LANDING	
BEACON ON		CABIN CREW ADVISED	
THR LEVERS IDLE		A/THR SPEED/OFF	
PARKING BRAKE AS RQRD		ECAM MEMO LDG NO BLUE	
AFTER START		. SIGNS ON . FLAPS LDG	
ANTI ICE AS RQRD		. CABIN READY . SPLRS ARM	
ECAM STATUS CHECKED		. LDG GEAR DN	
PITCH TRIM SET		AFTER LANDING	
RUDDER TRIM ZERO		FLAPS RETRACTED	
BEFORE TAKEOFF		SPOILERS DISARMED	
FLIGHT CONTROLS CHECKED (BOTH)		APU START	
FLT INST CHECKED (BOTH)		RADAR OFF/STBY	
BRIEFING CONFIRMED		PARKING	
FLAP SETTING CONF – (BOTH)		APU BLEED ON	
V1.VR.V2/FLX TEMP – (BOTH)		ENGINES OFF	
ATC SET		SEAT BELTS OFF	
ECAM MEMO TO NO BLUE		EXT LT AS RQRD	
. SIGNS ON . AUTO BRK MAX		FUEL PUMPS OFF	
. CABIN READY . TO CONFIG NORM		PARK BRK and CHOCKS. AS RQRD	
. SPLRS ARM		SECURING AIRCRAFT	
. FLAPS TO		ADIRS OFF	
CABIN CREW ADVISED		OXYGEN OFF	
ENG START SEL AS RQRD		APU BLEED OFF	
PACKS AS RQRD		EMER EXIT LT OFF	
AFTER TAKEOFF / CLIMB		NO SMOKING OFF	
LDG GEAR UP		APU OFF	
FLAPS RETRACTED		BAT 1+2+APU BAT OFF	
PACKS ON			
BARO REF SET (BOTH)			